

## **Cherniavska O. About Frege's triangle in patent science**

The studied object is a logical scheme useful for scientists. It called the Frege's triangle or the semiotic triangle.

This article is devoted to the study of mismatch of terminology, which is used in subordinate acts regulating preparation and examination of patent applications for inventions and utility models, to the principles of semiotics (especially to definitions of terms such as name, denotation, and concept).

The purpose of the work is to modify the semiotic triangle for the needs of the patent case and show by examples that it is still an excellent means of systematization of heterogeneous knowledge and a tool for logical analysis of information in the preparation of patent applications and protection of patent claims during patent examination and court proceedings.

Design/methodology/approach. The basis of the approach to the study of the semiotic triangle in patent science is its property to reduce into twos since a significant part of inventions and utility models will remain in the form of information prototypes of varying completeness and accuracy. In other words, they will not have a materialized denotatum.

Research limitations/implications. As a result of the study, it was concluded that various rules for preparation and examination of an application for invention or utility models, which are applicable in Ukraine and many other countries, comprise systematic mixing of definitions about features with definitions about names of features. It is misleading for people who create descriptions, and those who carry out the examination of applications.

As a minimum, it is necessary to revise the regulations and bring them into line with the principles of semiotics. As a maximum, it would be desirable to prepare and publish a textbook on practical semiotics for inventors and patent examiners.

**Key words:** practical semiotics, Frege's triangle, patent science, inventions, utility models, name, denotation, concept.